



PATENT  
Attorney Docket No.: JNB-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Northby

SERIAL NO.:

10/632,180

GROUP NO.:

2877

FILING DATE:

July 31, 2003

EXAMINER:

Not yet assigned

TITLE:

Method and Apparatus for Measuring Particle Motion Optically

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicant hereby makes of record the patents listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), copies of the U.S. Patents are not enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- the requisite Statement is below, **OR**
- the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

Supplemental Information Disclosure Statement

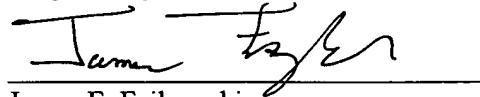
Serial No. 10/632,180

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- (3) after the mailing date of a **final action or notice of allowance** but before the payment of the **issue fee**, **AND**
- the requisite Statement is below, **AND**
- the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,



James E. Fajkowski  
Attorney for the Applicant  
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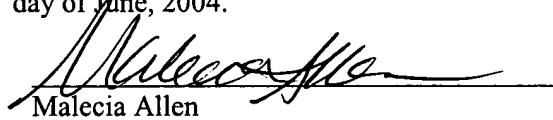
PATENT  
Attorney Docket No.: JNB-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Northby  
SERIAL NO.: 10/632,180 GROUP NO.: 2877  
FILING DATE: July 31, 2003 EXAMINER: Not yet assigned  
TITLE: Method and Apparatus for Measuring Particle Motion Optically

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any documents referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 10<sup>th</sup> day of June, 2004.



Malecia Allen

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

- (1) Transmittal Form (1 pg.);
- (2) Supplemental Information Disclosure Statement (2 pgs.);
- (2) Form PTO-1449 (1 pg.);
- (3) Copies of cited references (C1-C4); and
- (4) A return receipt postcard.



# TRANSMITTAL FORM

Application Serial Number	10/632,180
Filing Date	July 31, 2003
First Named Inventor	Northby
Group Art Unit	2877
Examiner Name	Not yet assigned
Attorney Docket No.	JNB-001
Patent No.	Not applicable
Issue Date	Not applicable

## ENCLOSURES (*check all that apply*)

<input type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <li><input type="checkbox"/> Check Attached</li> <li><input type="checkbox"/> Copy of Fee Transmittal Form</li> </ul>	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <li><input type="checkbox"/> Preliminary</li> <li><input type="checkbox"/> After Final</li> <li><input type="checkbox"/> Affidavits/declaration(s)</li> <li><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]</li> </ul>	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Form PTO-1449</li> <li><input checked="" type="checkbox"/> Copies of IDS Citations (C1-C4)</li> </ul>	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <li><input type="checkbox"/> Paper Copy/CD</li> <li><input type="checkbox"/> Computer Readable Copy</li> <li><input type="checkbox"/> Statement verifying identity of above</li> </ul>	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) ( <i>please identify below</i> )
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <ul style="list-style-type: none"> <li><input type="checkbox"/> Certificate of Correction (in duplicate)</li> </ul>	

## CORRESPONDENCE ADDRESS

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## SIGNATURE BLOCK

Respectfully submitted,

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SHEET 1 OF 1

FORM PTO - 1449		ATTORNEY DOCKET NO.: JNB-001					
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT(S): Northby SERIAL NO.: 10/632,180 FILING DATE: July 31, 2003 GROUP: 2877					

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A6	4,851,697	7/25/89	Schidl	250	574	8/12/87
	A7	4,978,863	12/18/90	Lyons et al.	250	574	9/6/88
	A8	5,365,326	11/15/94	Chrisman et al.	365	28.5	2/12/93
	A9	6,323,949	11/27/01	Lading et al.	356	477	3/18/97

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1	Agrawal, et al. "Velocity Observations Above a Rippled Bed Using Laser Doppler Velocimetry," <u>J. Geophys. Res.</u> , 1992, 97(C12): 20,249-20,259.
	C2	Bertuccioli, et al. "A Submersible Particle Image Velocimetry System for Turbulence Measurements in the Bottom Boundary Layer," <u>J. Atmos. Oceanic Technol.</u> , 1999, 16(11): 1635-1646 (abstract only).
	C3	Doron, et al. "Turbulence Characteristics and Dissipation Estimates in the Coastal Ocean Bottom Boundary Layer from PIV Data," 1999 (Thesis).
	C4	Xia et al., "Dual-beam incoherent cross-correlation spectroscopy," <u>Opt. Soc. of Am.</u> , 1995, 12(7): 1571-1578.

EXAMINER	DATE CONSIDERED
3071674	